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(54) Title: ANASTOMOTIC CONNECTOR DEVICES

(57) Abstract: Anastomotic connector devices are provided which release a therapeutic agent. The therapeutic agent may be an anti-scarring agent that inhibits stenosis caused by the presence of the anastomotic connector device.

International Application No PCT/US2004/016363

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B17/11 A61B17/115 A61L27/54 A61L31/16 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61B A61L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages US 2003/065344 A1 (KIRSCH WOLFF M ET AL) 1,3-5, Х 3 April 2003 (2003-04-03) 22-24. 58-60, 90,91 page 1, paragraph 9 - paragraph 10 claims 9,10 US 2002/099393 A1 (FLEISCHMAN SIDNEY D ET 1,3,11, Х AL) 25 July 2002 (2002-07-25) 12, 15-17. 20, 22-25, 58,91, 101,102 page 4, paragraph 70 page 8, paragraph 94 Further documents are listed in the continuation of box C. X Patent family members are listed in annex. X Special categories of cited documents : "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search **18**. 05. **2005** 16 February 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Staber, B Fax: (+31-70) 340-3016

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Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
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X	US 2002/133183 A1 (LENTZ DAVID CHRISTIAN ET AL) 19 September 2002 (2002-09-19)	1,3,11, 15, 22-26, 58-60, 90,91		
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ī	claim 1 figure 23	101-117		
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-63 (part), 64-81, 101-117 (part)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-63(part), 64-81, 101-117 (part)

An anastomotic coupling device comprising an anastomotic coupling device and an anti-scarring agent which is represented by a cell cycle inhibitor; wherein the agent is releasable from the device at a therapeutically effective concentration that inhibits stenosis

2. claims: 1-63 (part), 52-85, 101-117(part)

An anastomotic coupling device comprising an anastomotic coupling device and an anti-scarring agent which is represented by a heat shock protein 90 antagonist; wherein the agent is releasable from the device at a therapeutically effective concentration that inhibits stenosis

3. claims: 1-63 (part, 86-89, 101-116(part)

An anastomotic coupling device comprising an anastomotic coupling device and an anti-scarring agent which is represented by a pyrolidine antibiotic; wherein the agent is releasable from the device at a therapeutically effective concentration that inhibits stenosis

4. claims: 1-63(part), 90-96, 101-116

An anastomotic coupling device comprising an anastomotic coupling device and an anti-scarring agent which is represented by an immunomodulator; wherein the agent is releasable from the device at a therapeutically effective concentration that inhibits stenosis

5. claims: 1-63(part), 97-100, 101-117 (part)

An anastomotic coupling device comprising an anastomotic coupling device and an anti-scarring agent which is represented by an ionosine monophosphate dehydrogenase (IMPDH) inhibitor; wherein the agent is releasable from the device at a therapeutically effective concentration that inhibits stenosis

INTERNATIONAL SEARCH REPORT Information on patent family members

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